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ADDENDUM #2

PROJECT: JLTC – Building #2
Project No. - 05006480
Camp Williams
Draper, UT 84065

BID DATE: May 24, 2005

BID TIME: 3:30 p.m.

Please note and include the following items to the contract documents. The General Contractor shall be responsible to incorporate these changes into the Contract Documents and shall also be responsible to notify all sub-contractors of this addendum.

PROJECT MANUAL:

1. Section 09680 Carpet – Modify Section 2.1.B Products – paragraph 1.b Sources to read the following:
 - 1) Wall 2 Wall Floor Coverings: (p) 288-2794
 - 2) Henrickson/Butler: (p) 363-5881
 - 3) Resource Utah: (p) 355-9300
2. Section 15855, Diffusers, Registers and Grilles - ACME Engineering & Manufacturing Corp is an approved manufacturer for the Intake Hoods
3. Section 15738 Split-system Air Conditioning Units - Redd-I (TPI Corporation) is an approved manufacturer for the Electric Wall Heaters.
4. Section 16145, LIGHTING CONTROL DEVICES – Add Leviton to the approved manufacturers for this

section.

5. Section 16665, TRANSIENT VOLTAGE SURGE SUPPRESSOR (T.V.S.S.) – Add Square D SurgeLogic to the approved manufacturers list.
6. Section 16715, VOICE AND DATA COMMUNICATION CABLING – The Utah National Guard has recently updated their requirements for communications cabling. The attached Statement of Work (SoW) updates materials and methods that are shown in section 16715. The information in the attached SoW supercedes the information in 16715. Other information in section 16715 that is not addressed by the SoW still applies.

UTAH NATIONAL GUARD STATEMENT OF WORK
PERFORMING TELECOMMUNICATION PROJECTS

UT-G6-C (5/19/2005)

GENERAL INFORMATION AND CONDITIONS

Purpose and Intent:

The Utah National Guard (UTNG) desires to have Telecommunication parts installed in accordance with Industry Standard TIA/568B. All projects must be coordinated and approved through the UTNG State Telecommunications Manager (Mike Hansen, pager (801) 249-3838) to ensure that industry standards are adhered to.

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BACKGROUND

Agency Need Description: The UTNG requires that the following parts (brand specific or equal) be used in conjunction with TIA/568B guidelines:

**Telecommunication standards for all Utah Army National Guard facilities, except AGCW.
MDF / IDF (Main or Intermittent Distribution Frame)**

Standard Equipment:

1. Siemon HD5-89D-12 Patch Panels.
2. Siemon HD6-89D-12 Patch Panels. ***
3. Siemon S210MB2-192 **
4. Siemon S188-300 Vertical Wire Management **
5. Siemon S188WD Horizontal Wire Management **
6. Siemon S110M-WM-300 Vertical Wire Management **
7. Siemon S210MB2-300 **
8. Siemon S210C-4 **
9. Siemon CT-5-C5-02 Angled Jack.
10. Siemon CT-C6-C6-02 Angled Jack. ***
11. Siemon CT2-FP-02 Faceplate.
12. Siemon CT MuTOA CT-MMO-02
13. Siemon SPB-V1 24 Port Patch Panel.
14. Commscope CAT 5E Blue 55N4R BL
15. Commscope CAT 5E Yellow 55N4R YL
16. Siemon Cat 6 Blue 9C6R4-E3-06-RBN*****
17. Siemon Cat 6 Yellow 9C6R4-E3-05-RBN*****
18. Green Backboard Metal M183 B2 (VAR)
19. Blue Backboards Metal M183 B1 (VAR)
20. Yellow Backboards Metal M183 B5 (VAR)
21. Full Spool boards. M187 B1 (VAR)
22. Marconi R66P25QC Lighting Protection Panel.
23. Marconi R66P50QC Lighting Protection Panel.
24. Marconi R66P100QC Lighting Protection Panel.
25. SECOR WIC 012 LIU can.
26. Siemon Rack Mount LIU FCP3-Rack. **
27. Gas Protection Fuses 104410147

MDF (Main Distribution Frame) for AGCW

Standard Equipment:

1. AVAYA 107894966 100 Pair Lighting Protection 110 termination style.
2. SECOR CCH03U 72 Strand Rack Mount LIU.

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The MDF at AGCW is in building 617. To gain access to this area you will have to contact Mike Hansen at (801) 249-3838 or Toby Adamson at (801) 241-9942. **All work to be bid on or done at AGCW will contact Mike or Toby prior to starting.**

IDF (Intermittent Distribution Frame) for AGCW

Standard Equipment:

28. Siemon HD5-89D-12 Patch Panels.
29. Siemon HD6-89D-12 Patch Panels. ***
30. Siemon S210MB2-300 *****
31. Siemon S188-300 Vertical Wire Management *****
32. Siemon S110M-WM-300 Vertical Wire Management *****
33. Siemon S210MB2-300*****
34. Siemon S210C-4 *****
35. Siemon CT-C5-C5-02 Angled Jack.
36. Siemon CT-C6-C6-02 Angled Jack. ***
37. Siemon CT2-FP-02 Faceplate.
38. Siemon CT MuTOA CT-MMO-02
39. Siemon SPB-V1 24 Port Patch Panel.
40. Commscope CAT 5E Blue 55N4R BL
41. Commscope CAT 5E Yellow 55N4R YL
42. Siemon Cat 6 Blue 9C6R4-E3-06-RBN*****
43. Siemon Cat 6 Yellow 9C6R4-E3-05-RBN*****
44. Green Backboard Metal M183 B2 (VAR)
45. Blue Backboards Metal M183 B1 (VAR)
46. Yellow Backboards Metal M183 B5 (VAR)
47. Full Spool boards. M187 B1 (VAR)
48. Marconi R66P25QC Lighting Protection Panel.
49. SECOR WIC 012 LIU can.
50. Gas Protection Fuses 104410147

Manholes

1. Copper Splice Cases 3M KB6 (is the series). You will need to talk to Mike or Toby to determine what ends need to be placed on the ends of the splice case.
2. Fiber Splice Case Coyote 80805514 (Splice tray will depend on amount of fiber)

There are several Manholes at AGCW. When pulling Backbone Cable you will leave a 20 ft maintenance loop in every manhole between the IDF and the MDF. All splices will be sealed water tight. If a case is open, it will be resealed to maintain a water tight seal. All splices in the fiber cable will be fusion spliced. Splices in the copper cable will be done in a splice case and made water tight. To find a path from the IDF to the MDF you will need to speak with Mike or Toby.

All telecommunication work to be done on any Utah Army National Guard Facility will be coordinated and approved through Mike Hansen (pager # (801) 249-3838) or Toby Adamson (pager # (801) 241-9942). Layout for telecommunication closets will be as followed. There will be 1 or more sheets of ¾ inch plywood placed on the wall of the telecommunication closet. From left to right the positioning of the metal backboards will be Green, Blue, and Yellow. You will leave proper space between the blue and yellow boards to accommodate future growth. Along

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the bottoms of each of the backboards you will install full spool boards. On the Green backboard you will install the copper feeds for the building. The copper feeds will be terminated to lighting protection and then to the Siemon 24 port patch panel. On the Blue backboard, the Blue Commscope CAT 5E 55N4R BL***, will be terminated to the Siemon HD5-89D-12 *** patch panel. On the Yellow backboard, the Yellow Commscope CAT 5E 55N4R YL***, will be terminated to the Siemon HD5-89D-12 *** patch panel. There will be one blue and one yellow CAT 5 or CAT 6 wire pulled to each location. They will correlate with the same number on the patch panel (ex. Jack 101 will have one blue and one yellow wire that will be in the same location on the patch panel.). Fiber will be terminated in an LIU can. Termination of fiber will be either ST or SC. This will depend on location. You will need to speak with Mike or Toby in order to know what facility has what termination.

** This equipment is being used in the Draper facility

*** There are some Facilities that have CAT 6 horizontal cable.

**** Use Siemon Cable for your bids unless you have prior approval from Mike or Toby.

You will have to speak with Mike or Toby in order to know what is required at each Facility.

CONSTRUCTION DOCUMENTS:

7. Sheet E001:

The following manufacturers are approved alternates for the lighting fixtures, as per the Lighting Fixture Schedule. Alternates shall be equal to those specified on the original drawings.

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|-------|------|--|
| 1.2. | T-1 | Thomas, Lithonia, LSI |
| 2.2. | T-1E | Thomas (Bodine), Lithonia, LSI (EELP) |
| 3.2. | T-2 | Thomas, Lithonia, LSI |
| 4.2. | T-3 | Thomas, Lithonia, LSI |
| 5.2. | T-4 | Ocean State Lighting, Lithonia, Infinity |
| 6.2. | T-5 | Thomas, Lithonia, LSI |
| 7.2. | T-6 | LSI |
| 8.2. | T-7 | Lumark, LSI, Pace |
| 9.2. | T-9 | Finelite, Day-O-Lite |
| 10.2. | EX-1 | Thomas, EELP, Lithonia |

End of Addendum #2